

Quality assurance system for post-graduate student training in mathematics and its computer support

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Abstract

© 2018, Institute of Advanced Scientific Research, Inc. All rights reserved. The article is devoted to the development and scientific substantiation of the quality assurance system for master training who studies under the program with the profiling in the field of mathematical education. They substantiated the expediency of ISO 9000 international standards and the standards and recommendations for higher education quality assurance in the European space (ENQA) in the creation of a quality assurance system for the preparation of mathematical education masters, as well as the development of computer support for this system based on the program in the Microsoft Visual Fox environment Pro. The quality assurance system for the preparation of mathematical education masters includes the graduate training quality model for this profile and is the prerequisite for a student's independent work organization. The basis for the master training quality model development is the main educational results expressed in specific "competencies" defined in new generation standards of "Pedagogical Education" and the "labor actions" of a teacher's professional standard. The maximum objective procedure of computer support allows you to compare the results of the trainees both by individual modules and by the subjects throughout the training period. The measurement of customer satisfaction concerning the quality of mathematical education master training is based on the results of freshman questioning (need and expectations), master students, graduates, teachers, external consumers and employers. The educational program is adjusted according to the obtained results.

Keywords

Basic educational program, Computer support, Innovative activity, Master training quality, Quality assurance

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